Contents

NUMBER 1, JANUARY 2002

1 *R. Stoll, C. Fischer, M. Springer & V. Stachniss:* Marginal adaptation of partial crowns cast in pure titanium and in a gold alloy – an *in vivo* study

7 *S. Bouillaguet, L. Shaw, L. Gonzalez, J. C. Wataha & I. Krejci:* Long-term cytotoxicity of resin-based dental restorative materials

14 *D. R. Clayton, D. McCarti.y & D. G. Gillam:* A study of the prevalence and distribution of dentine sensitivity in a population of 17–58-year-old serving personnel on an RAF base in the Midlands

24 *K. Sato, H. Matsumura & M. Atsuta:* Relation between cavity design and marginal adaptation in a machine-milled ceramic restorative system

28 *İ. Nergiz, P. Schmage, M. Özcan & U. Platzer:* Effect of length and diameter of tapered posts on the retention

35 *W. G. Young & F. Khan:* Sites of dental erosion are saliva-dependent

44 *C.-M. Tsai, S.-L. Chou, E. N. Gale & W. D. McCall Jr:* Human masticatory muscle activity and jaw position under experimental stress

52 *J. Vág & Á. Fazekas:* Influence of restorative manipulations on the blood perfusion of human marginal gingiva as measured by laser Doppler flowmetry

58 *Y. Kibana, T. Ishijima & T. Hirai:* Occusal support and head posture

64 *M. Nagata, Y. Yamasaki, H. Hayasaki & M. Nakata:* Incisal and condylar paths during habitual mouth opening movement of children with anterior reverse bite in the primary dentition

72 *Y. Imai, T. Sato, S. Mori & M. Okamoto:* A histomorphometric analysis on bone dynamics in denture supporting tissue under continuous pressure

80 *S. Hepguler, Y. S. Akkoc, M. Pehlivan, C. Ozturk, G. Celebi, A. Saracoglu & B. Ozpinar:* The efficacy of intra-articular sodium hyaluronate in patients with reducing displaced disc of the temporomandibular joint

87 *A. U. J. Yap, C. L. Chew, L. F. K. L. Ong & S. H. Teoh:* Environmental damage and occlusal contact area wear of composite restoratives

98 *I. Kopač, U. Batista, E. Cvetko & L. Marion:* Viability of fibroblasts in cell culture after treatment with different chemical retraction agents

105 *L. A. M. de Oliveira, F. de Oliveira Vasconcelos & R. S. Gomez:* Vascular endothelial growth factor in minor salivary glands: effect of ageing

108 *S. Sari & H. Sonmez:* Investigation of the relationship between oral parafunctions and temporomandibular joint dysfunction in Turkish children with mixed and permanent dentition

NUMBER 2, FEBRUARY 2002

113 *A. Visser, M. E. Geertman, H. J. A. Meijer, G. M. Raghoebar, J. M. Kwakman, N. H. J. Creugers & R. P. Van Oort:* Five years of aftercare of implant-retained mandibular overdentures and conventional dentures

121 *H. Yanagida, H. Matsumura, Y. Taira, M. Atsuta & S. Shimoe:* Adhesive bonding of composite material to cast titanium with varying surface preparations

127 *A. L. P. Yeung, E. C. M. Lo, R. K. F. Clark & T. W. Chow:* Usage and status of cobalt–chromium removable partial dentures 5–6 years after placement

133 *J. C. Wataha, P. E. Lockwood, A. Schedle, M. Noda & S. Bouillaguet:* Ag, Cu, Hg and Ni ions alter the metabolism of human monocytes during extended low-dose exposures

140 *R. Näpänkangas, M. A. M. Salonen-Kemppi & A. M. Raustia:* Longevity of fixed metal ceramic bridge prostheses: a clinical follow-up study
146 *R. G. Craig & W. C. Godwin:* Properties of athletic mouth protectors and materials
151 *C. C. Peck, A. S. Sooch & A. G. Hannam:* Forces resisting jaw displacement in relaxed humans: a predominantly viscous phenomenon
161 *T. Sano, S.-E. Widmalm, P.-L. Westesson, T. Yamaga, M. Yamamoto, K. Takahashi, K.-I. Michi & T. Okano:* Acoustic characteristics of sounds from temporomandibular joints with and without effusion: an MRI study
167 *N. X. West, J. A. Hughes & M. Addy:* Dentine hypersensitivity: the effects of brushing toothpaste on etched and unetched dentine *in vitro*
175 *P. Ottl, L. Hahn, H.-Ch. Lauer & M. Fay:* Fracture characteristics of carbon fibre, ceramic and non-palladium endodontic post systems at monotonously increasing loads
184 *G. Schierano, E. Arduino, E. Bosio & G. Preti:* The influence of selective grinding on the thickness discrimination threshold of patients wearing complete dentures
188 *J. S. Rees:* The effect of variation in occlusal loading on the development of abfraction lesions: a finite element study
194 *A. U. J. Yap:* Occlusal contact area (OCA) wear of two new composite restoratives
201 *T. Jiang & M. Ai: In vivo* mandibular elastic deformation during clenching on pivots

NUMBER 3, MARCH 2002

209 *D. Faulks, J.-L. Veyrune & M. Hennequin:* Consequences of oral rehabilitation on dyskinesia in adults with Down's syndrome: a clinical report
219 *D. G. Gillam, J. S. Bulman, M. A. J. Eijkman & H. N. Newman:* Dentists' perceptions of dentine hypersensitivity and knowledge of its treatment
226 *D. G. Gillam, A. Aris, J. S. Bulman, H. N. Newman & F. Ley:* Dentine hypersensitivity in subjects recruited for clinical trials: clinical evaluation, prevalence and intra-oral distribution
232 *C. Vanzeveren, W. D'Hoore & P. Bercy:* Influence of removable partial denture on periodontal indices and microbiological status
240 *C. McGrath & R. Bedi:* Severe tooth loss among UK adults – who goes for oral rehabilitation?
245 *K. Amemiya, M. Hisano, T. Ishida & K. Soma:* Relationship between the flow of bolus and occlusal condition during mastication – computer simulation based on the measurement of characteristics of the bolus
257 *R. R. Braga, P. F. Cesar & C. C. Gonzaga:* Mechanical properties of resin cements with different activation modes
263 *D. C. Jagger, R. G. Jagger, S. M. Allen & A. Harrison:* An investigation into the transverse and impact strength of 'high strength' denture base acrylic resins
268 *D. Bevilaqua-Grosso, V. Monteiro-Pedro & R. R. de Jesus Guirro:* A physiotherapeutic approach to craniomandibular disorders: a case report
274 *J. Tsuruta, A. Mayanagi, H. Miura & S. Hasegawa:* An index for analysing the stability of lateral excursions
282 *R. Leonardi, L. Villari, C. Piacentini, G. Bernasconi, S. Travali & C. Caltabiano:* Immunolocalization of vimentin and α-smooth muscle actin in dysfunctional human temporomandibular joint disc samples
287 *H. Shirai, T. Sato, M. Oka, T. Hara & S. Mori:* Effect of calcium supplementation on bone dynamics of the maxilla, mandible and proximal tibia in experimental osteoporosis
295 *A. O. Oginni & A. O. Olusile:* A survey of amalgam restorations in a south-western Nigerian population

300 *Y. Kulak-Ozkan, E. Kazazoglu & A. Arikan:* Oral hygiene habits, denture cleanliness, presence of yeasts and stomatitis in elderly people

NUMBER 4, APRIL 2002

305 *D. G. Gillam, J. Y. Tang, N. J. Mordan & H. N. Newman:* The effects of a novel bioglass® dentifrice on dentine sensitivity: a scanning electron microscopy investigation
314 *C. M. Lee, C. P. Ju & J. H. Chern Lin:* Structure–property relationship of cast Ti–Nb alloys
323 *T. Fujii:* Occlusal conditions just after the relief of temporomandibular joint and masticatory muscle pain
330 *I. Nergiz, P. Schmage, U. Platzer & M. Özcan:* Bond strengths of five tapered root posts regarding the post surface
336 *H. Akazawa & K. Sakurai:* Changes of blood flow in the mucosa underlying a mandibular denture following pressure assumed as a result of light clenching
341 *T. Inoue, M. Oki, P. Phankosol, T. Ohyama & H. Taniguchi:* Vibration analysis of maxillary removable partial denture frameworks
350 *K. Akça & H. İplikçioğlu:* Finite element stress analysis of the effect of short implant usage in place of cantilever extensions in mandibular posterior edentulism
357 *J. Nissan, M. Gross, A. Shifman & D. Assif:* Effect of wash bulk on the accuracy of polyvinyl siloxane putty-wash impressions
362 *P. Nicolakis, B. Erdogmus, A. Kopf, M. Nicolakis, E. Piehslinger & V. Fialka-Moser:* Effectiveness of exercise therapy in patients with myofascial pain dysfunction syndrome
369 *I. A. Pretty, W. M. Edgar & S. M. Higham:* The effect of ambient light on QLF analyses
374 *A. U. J. Yap, E. K. Chua & J. K. E. Hoe:* Clinical TMD, pain-related disability and psychological status of TMD patients
381 *H. Aykul, M. Toparli & M. Dalkiz:* A calculation of stress distribution in metal–porcelain crowns by using three-dimensional finite element method
387 *Y. Koishi, N. Tanoue, M. Atsuta & H. Matsumura:* Influence of visible-light exposure on colour stability of current dual-curable luting composites
394 *M. C. Çehreli, H. İplikçioğlu & Ö. G. Bilir:* The influence of the location of load transfer on strains around implants supporting four unit cement-retained fixed prostheses: *in vitro* evaluation of axial versus off-set loading

NUMBER 5, MAY 2002

401 *T. L. Heil, K. R. Volkmann, J. C. Wataha & P. E. Lockwood:* Human peripheral blood monocytes versus THP-1 monocytes for *in vitro* biocompatibility testing of dental material components
408 *A. M. Velly, M. Gornitsky & P. Philippe:* A case–control study of temporomandibular disorders: symptomatic disc displacement
417 *S. Nakagawa, J. Sakabe, I. Nakajima & M. Akasaka:* Relationship between functional disc position and mandibular displacement in adolescent females: posteroanterior cephalograms and magnetic resonance imaging retrospective study
423 *P. K. Vallittu:* Use of woven glass fibres to reinforce a composite veneer. A fracture resistance and acoustic emission study
430 *K. Kimoto, K. Tamaki, T. Yoshino, M. Toyoda & A. G. Čelar:* Correlation between elevator muscle activity and direction of sagittal closing pathway during unilateral chewing

435 *S. Honkala & E. Honkala:* Atraumatic dental treatment among Finnish elderly persons
441 *D. W. Oh, K. S. Kim & G. W. Lee:* The effect of physiotherapy on post-temporomandibular joint surgery patients
447 *S. Bertram, A. Rudisch, G. Bodner & R. Emshoff:* Effect of stabilization-type splints on the asymmetry of masseter muscle sites during maximal clenching
452 *T. Kadir, R. Pisiriciler, S. Akyüz, A. Yarat, N. Emekli & A. Ipbüker:* Mycological and cytological examination of oral candidal carriage in diabetic patients and non-diabetic control subjects: thorough analysis of local aetiologic and systemic factors
458 *K.-H. Utz, F. Müller, W. Lückerath, E. Fuß & B. Koeck:* Accuracy of check-bite registration and centric condylar position
467 *T. Tamura, T. Kanayama, S. Yoshida & T. Kawasaki:* Analysis of brain activity during clenching by fMRI
473 *Y. H. Kwon, M. S. Huo, K. H. Kim, S. K. Kim & Y. J. Kim:* Effects of hydrogen peroxide on the light reflectance and morphology of bovine enamel
478 *N. Baba, Y. Taira, H. Matsumura & M. Atsuta:* Effect of disinfectants containing glutaraldehyde on bonding of a tri-*n*-butylborane initiated resin to dentine
484 *M. H. Sultana, K. Yamada & K. Hanada:* Changes in occlusal force and occlusal contact area after active orthodontic treatment: a pilot study using pressure-sensitive sheets
492 *S. Filipić & J. Keros:* Dynamic influence of food consistency on the masticatory motion

NUMBER 6, JUNE 2002

497 *K. C. M. Leung, E. H. N. Pow, A. S. McMillan, M. C. M. Wong, L. S. W. Li & S.-L. Ho:* Oral perception and oral motor ability in edentulous patients with stroke and Parkinson's disease
504 *F. Lobbezoo & J. J. R. Huddleston Slater:* Variation in masticatory muscle activity during subsequent, submaximal clenching efforts
510 *G. Leloup, P. E. Holvoet, S. Bebelman & J. Devaux:* Raman scattering determination of the depth of cure of light-activated composites: influence of different clinically relevant parameters
516 *R. Emshoff, A. Rudisch, K. Innerhofer, I. Brandlmaier, I. Moschen & S. Bertram:* Magnetic resonance imaging findings of internal derangement in temporomandibular joints without a clinical diagnosis of temporomandibular disorder
523 *T. Itota, S. Nakabo, Y. Iwai, N. Konishi, M. Nagamine & Y. Torii:* Inhibition of artificial secondary caries by fluoride-releasing adhesives on root dentin
528 *Y. Torii, K. Itou, R. Hikasa, S. Iwata & Y. Nishitani:* Enamel tensile bond strength and morphology of resin–enamel interface created by acid etching system with or without moisture and self-etching priming system
534 *M. Naeije:* Local kinematic and anthropometric factors related to the maximum mouth opening in healthy individuals
540 *R. G. Chadwick, H. L. Mitchell & S. Ward:* Evaluation of the accuracy and reproducibility of a replication technique for the manufacture of electroconductive replicas for use in quantitative clinical dental wear studies
546 *C. W. Barclay, E. L. Boyle, R. Williams & P. M. Marquis:* The effect of thermocycling on five adhesive luting cements
553 *B. J. Sanders, R. L. Gregory, K. Moore & D. R. Avery:* Antibacterial and physical properties of resin modified glass-ionomers combined with chlorhexidine
559 *B. Taskonak & A. Sertgöz:* Shear bond strengths of saliva contaminated 'one-bottle' adhesives

565 *H.-J. Chun, S.-Y. Cheong, J.-H. Han, S.-J. Heo, J.-P. Chung, I.-C. Rhyu, Y.-C. Choi, H.-K. Baik, Y. Ku & M.-H. Kim:* Evaluation of design parameters of osseointegrated dental implants using finite element analysis

575 *H. M. Ueda, M. Kato, M. Saifuddin, H. Tabe, K. Yamaguchi & K. Tanne:* Differences in the fatigue of masticatory and neck muscles between male and female

583 *A. Sertgöz, Y. Kulak, H. Gedik & B. Taskonak:* The effect of thermocycling on peel strength of six soft lining materials

588 *R. Ćelić & V. Jerolimov:* Association of horizontal and vertical overlap with prevalence of temporomandibular disorders

594 *K. Oki, T. Sato, T. Hara & S. Minagi:* Histopathological changes in the tissues under a denture base in experimental osteoporosis with a non-pressure covering or bearing continuous pressure

604 *D. S. M. Quteish Taani:* Dental anxiety and regularity of dental attendance in younger adults

NUMBER 7, JULY 2002

609 *M. Eisenburger & M. Addy:* Radiological examination of dental castings – a review of the method and comparisons of the equipment

615 *K. Inoue, Y. X. Song, O. Kamiunten, J. Oku, T. Terao & K. Fujii:* Effect of mixing method on rheological properties of alginate impression materials

620 *T. Ogimoto, T. Ogawa, K. Sumiyoshi, Y. Matsuka & K. Koyano:* Pressure–pain threshold determination in the oral mucosa: validity and reliability

627 *M. Saito, K. Notani, Y. Miura & T. Kawasaki:* Complications and failures in removable partial dentures: a clinical evaluation

634 *B. J. J. Scott, A. G. Mason & S. W. Cadden:* Voluntary and reflex control of the human temporalis muscle

644 *N. Hisamatsu, M. Atsuta & H. Matsumura:* Effect of silane primers and unfilled resin bonding agents on repair bond strength of a prosthodontic microfilled composite

649 *Y. I. Sumita, S. Ozawa, H. Mukohyama, T. Ueno, T. Ohyama & H. Taniguchi:* Digital acoustic analysis of five vowels in maxillectomy patients

657 *S. B. Türker & T. Biskin:* The effect of bleaching agents on the microhardness of dental aesthetic restorative materials

662 *Z. Tarle, A. Meniga, A. Knežević, J. Šutalo, M. Ristić & G. Pichler:* Composite conversion and temperature rise using a conventional, plasma arc, and an experimental blue LED curing unit

668 *C. Kolbeck, M. Rosentritt, M. Behr, R. Lang & G. Handel: In vitro* study of fracture strength and marginal adaptation of polyethylene-fibre-reinforced-composite versus glass-fibre-reinforced-composite fixed partial dentures

675 *S. Nakabo, Y. Torii, T. Itota, M. Yoshiyama, K. Ishikawa & K. Suzuki:* Regulation of fluoride ion release from Na_2SiF_6 contained in resin based on hydrophobic Siloxane layer coating.

682 *A.U.J. Yap, P.H.N. Cheang & P.L. Chay:* Mechanical Properties of two restorative reinforced glass-ionomer cements.

689 *K. Anderson, G. S. Throckmorton, P. H. Buschang & H. Hayasaki:* The effects of bolus hardness on masticatory kinematics

697 *M. Taira & Y. Araki:* DTG thermal analyses and viscosity measurements of three commercial agar impression materials

Announcement

NUMBER 8, AUGUST 2002

705 *S. Langworth, L. Björkman, C.-G. Elinder, L. Järup & P. Savlin:* Multidisciplinary examination of patients with illness attributed to dental fillings
714 *A. I. Abdalla, S. EL. Mahallawy & C. L. Davidson:* Clinical and SEM evaluations of three compomer systems in Class V carious lesions
720 *R. Jacobs, C.-H. Wu, K. Van Loven, M. Desnyder, B. Kolenaar & D. van Steenberghed:* Methodology of oral sensory tests
731 *G. Schneider & B. Senger:* Clinical relevance of a simple fragmentation model to evaluate human masticatory performance
737 *R. H. Pahkala & M. T. Laine-Alava:* Do early signs of orofacial dysfunctions and occlusal variables predict development of TMD in adolescence?
744 *K. Fujii, H. Arikawa, T. Kanie, N. Shinohara & K. Inoue:* Effect of photo-irradiation on hardness of soft lining materials for denture base
749 *A. Kameyama, E. Kawada, T. Amagai, M. Takizawa, Y. Oda & Y. Hirai:* Effect of HEMA on bonding of Er:YAG laser-irradiated bovine dentine and 4-META/MMA-TBB resin
756 *X. Hu, A. C. Shortall & P. M. Marquis:* Wear of three dental composites under different testing conditions
765 *H. Yoshida, S. Fujita, M. Nishida, T. Iizuka, T. Yoshida & T. Sakakura:* The expression of tenascin mRNA in human temporomandibular joint specimens
770 *K. Fujii, H. Arikawa, T. Kanie, O. Kamiunten & K. Miura:* Effect of ethanol on the hardness and relaxation modulus of experimental photo-activated soft lining materials stored in aqueous solutions
777 *A. Sengün, N. Ünlü, F. Özer & B. Öztürk:* Bond strength of five current adhesives to caries-affected dentin
782 *A. Knežević, Z. Tarle, A. Meniga, J. Šutalo, G. Pichler & M. Ristić:* Photopolymerization of composite resins with plasma light
787 *S. M. Ganzarolli, R. N. Rached, R. C. M. R. Garcia & A. A. Del Bel Cury:* Effect of cooling procedure on final denture base adaptation
791 *N. Attar & A. Önen:* Fluoride release and uptake characteristics of aesthetic restorative materials

NUMBER 9, SEPTEMBER 2002

799 *G.-M. Burgmaier, I. M. Schulze & T. Attin:* Fluoride uptake and development of artificial erosions in bleached and fluoridated enamel *in vitro*
805 *T. Nakamura, O. Saito, J. Fuyikawa & S. Ishigaki:* Influence of abutment substrate and ceramic thickness on the colour of heat-pressed ceramic crowns
810 *V. F. Ferrario, C. Sforza, G. M. Tartaglia & C. Dellavia:* Immediate effect of a stabilization splint on masticatory muscle activity in temporomandibular disorder patients
816 *L.-R. Cho, Y.-J. Yi & S.-J. Heo:* Effect of tooth brushing and thermal cycling on a surface change of ceromers finished with different methods
823 *S. Yamashita, Y. Igarashi & M. Ai:* Tooth contacts at the mandibular retruded position, comparison of two different methods for bite registration
827 *K. Fujii, H. Arikawa, T. Kanie, T. Hamano, Y. Nishi & E. Nagaoka:* Dynamic viscoelastic properties of commercial glass-fibre reinforced resin used for crowns and bridges
835 *O. Dörtbudak, R. Haas, T. Bernhart & G. Mailath-Pokorny:* Inlay autograft of intramembranous bone for lateral alveolar ridge augmentation: a new surgical technique

842 *H. Matsumura, M. Atsuta & N. Tanoue:* Evaluation of two thione primers and composite luting agents used for bonding a silver–palladium–copper–gold alloy
847 *S. Sato, S. Goto, S. Koeda & K. Motegi:* Changes of the elastic fibre network of the rabbit temporomandibular joint following discectomy
853 *P. N. Sellen, D. C. Jagger & A. Harrison:* The selection of anterior teeth appropriate for the age and sex of the individual. How variable are dental staff in their choice?
858 *A. Alvarez-Arenal, L. M. Junquera, J. P. Fernández, I. González & S. Olay:* Effect of occlusal splint and transcutaneous electric nerve stimulation on the signs and symptoms of temporomandibular disorders in patients with bruxism
864 *C. P. Turssi, A. T. Hara, M. C. Serra & A. L. Rodrigues Jr:* Effect of storage media upon the surface micromorphology of resin-based restorative materials
872 Society for Oral Physiology Store Kro Group – Twenty-Second Biennial Meeting. Abstracts of Selected Presentations
890 *T. Shibata, T. Yamashita, N. Nakajima, M. Ueda, T. Ishijima, M. Shigezumi & M. Arisue:* Treatment of habitual temporomandibular joint dislocation with miniplate eminoplasty: a report of nine cases
895 *P. Gürdal, B. Güniz Akdeniz & B. Hakan Sen:* The effects of mouthrinses on microhardness and colour stability of aesthetic restorative materials
902 *A. Bošnjak, V. Vučićević-Boras, I. Miletić, D. Božić & M. Vukelja:* Incidence of oral habits in children with mixed dentition
906 *R. S. Gomez, R. de Castro Albuquerque, R. A. Dutra, W. A. Vasconcellos, D. A. Reis, R. S. Gomez & M. V. Gomez:* Effects of a bleaching agent containing 35% carbamide peroxide on the immunolocalization of cyclin D and p16

NUMBER 10, OCTOBER 2002

911 *S. E. Widmalm, W. J. Williams, B. K. Ang & D. C. Mckay:* Localization of TMJ sounds to side
918 *C. McGrath & R. Bedi:* Influences of social support on the oral health of older people in Britain
923 *R. Jacobs, C.-H. Wu, K. Goossens, K. Van Loven, J. Van Hees & D. van Steenberghe:* Oral mucosal versus cutaneous sensory testing: a review of the literature
951 *T. Nakamura, T. Ohyama, A. Imanishi, T. Nakamura & S. Ishigaki:* Fracture resistance of pressable glass–ceramic fixed partial dentures
956 *Y. Shiba, E. Nitta, C. Hirono, M. Sugita & Y. Iwasa:* Evaluation of mastication-induced change in sympatho-vagal balance through spectral analysis of heart rate variability
961 *T. Torisu, H. Suenaga, T. Yoshimatsu, R. Kanaoka, Y. Yamabe & H. Fujii:* Anticipatory and reflexive neck muscle activities during voluntary rapid jaw opening and passive jaw depression in humans
969 *A. M. Velly, P. Philippe & M. Gornitsky:* Heterogeneity of temporomandibular disorders: cluster and case–control analyses
980 *W. Okkerse, A. Brebels, P. P. De Deyn, G. Nagels, B. De Deyn, P. P. Van Bogaert & M. Braem:* Influence of a bite-plane according to Jeanmonod, on bruxism activity during sleep
986 *H. C. Karkazis:* EMG activity of the masseter muscle in implant supported overdenture wearers during chewing of hard and soft food
992 *M. Al-Athel, R. Jagger & D. Jagger:* Effect of ageing on the bond strength of a permanent denture soft lining material
997 *P. Chuajedong, U. Kedjarune-Leggat, D. Kertpon, V. Chongsuvivatwong & P. Benjakul:* Associated factors of tooth wear in southern Thailand

1003 *A. R. Pradeep Kumar, C. V. Subba Rao, A. Parameswaran, A. Kishen & C. S. Lim:* Scanning electron microscopic and energy dispersive spectrometric investigations on the effect of XeCl excimer laser on human dentin with smear layer
1010 *A. Johnson, D. G. Wildgoose & D. J. Wood:* The determination of freeway space using two different methods
1014 *Ş. Canay, M. C. Çehreli & S. Bilgiç:* In vitro evaluation of the effect of a current bleaching agent on the electrochemical corrosion of dental alloys

NUMBER 11, NOVEMBER 2002

1021 *D. Locker:* Changes in chewing ability with ageing: a 7-year study of older adults
1030 *C. M. Visscher, W. De Boer, F. Lobbezoo, L. L. M. H. Habets & M. Naeije:* Is there a relationship between head posture and craniomandibular pain?
1037 *G. Özgünaltay & A. Önen:* Three-year clinical evaluation of a resin modified glass–ionomer cement and a composite resin in non-carious class V lesions
1042 *W. Drobek, J. Schoenaers & A. De Laat:* Hormone-dependent fluctuations of pressure pain threshold and tactile threshold of the temporalis and masseter muscle
1052 *N. Baba, Y. Taira, H. Matsumura & M. Atsuta:* Surface treatment of dentin with GLUMA and iron compounds for bonding indirect restorations
1059 *R. Emshoff, S. Bertram, I. Brandlmaier, G. Scheiderbauer, A. Rudisch & G. Bodner.* Ultrasonographic assessment of local cross-sectional dimensions of masseter muscle sites: a reproducible technique?
1063 *T. Yamaguchi, K. Satoh, K. Komatsu, K. Kojima, N. Inoue, K. Minowa & Y. Totsuka:* Electromyographic activity of the jaw-closing muscles during jaw opening – comparison of cases of masseter muscle contracture and TMJ closed lock
1069 *M. A. Güngör, C. Artunç, M. Sonugelen & M. Toparli:* The evaluation of the removal forces on the conus crowned telescopic prostheses with the finite element analysis (FEA)
1076 *A.G. Celar & K. Tamaki:* Accuracy of recording horizontal condylar inclination and Bennett angle with the Cadiax compact®
1082 *R. Ciancaglini, E. F. Gherlone, S. Redaelli & G. Radaelli:* The distribution of occlusal contacts in the intercuspal position and temporomandibular disorder
1091 *N. Okano, K. Baba, S. Akishige & T. Ohyama:* The influence of altered occlusal guidance on condylar displacement
1099 *Y.-K. Lee, T.-H. Yoon, B.-S. Lim, C.-W. Kim & J. M. Powers:* Effects of colour measuring mode and light source on the colour of shade guides
1108 *M. Toparli, H. Aykul & T. Aksoy:* Stress distribution associated with loaded acrylic–metal–cement crowns by using finite element method
1115 *F. R. Pires, E. B. D. Santos, P. R. F. Bonan, O. P. De Almeida & M. A. Lopes:* Denture stomatitis and salivary *Candida* in Brazilian edentulous patients
1120 *H. Hayasaki, T. Sawami, I. Saitoh, S. Nakata, Y. Yamasaki & M. Nakata:* Length of the occlusal glide at the lower incisal point during chewing
1126 *S. Sato, F. Nasu & K. Motegi:* Analysis of post-treatment electromyographs in patients with non-reducing disc displacement of the temporomandibular joint

NUMBER 12, DECEMBER 2002

1131 *T. Rezwani-Kaminski, W. Kamann & P. Gaengler:* Secondary caries susceptibility of teeth with long-term performing composite restorations
1139 *R. Emshoff, I. Brandlmaier, R. Bösch, S. Gerhard, A. Rudisch & S. Bertram:* Validation of the clinical diagnostic criteria for temporomandibular disorders for the diagnostic subgroup – disc derangement with reduction

1146 *H. Yoshida, Y. Fukumura, S. Fujita, M. Nishida & T. Iizuka:* The expression of cyclooxygenase-2 in human temporomandibular joint samples: an immunohistochemical study

1153 *K.-H. Kim & O. Okuno:* Microfracture behaviour of composite resins containing irregular-shaped fillers

1160 *N. Barciela Castro, J. M. Fernandez Varela, B. Martin Biedma, B. Rilo Pousa, J. Suarez Quintanilla, J. Gonzalez Bahillo & P. Varela Patiño:* Analysis of the area and length of masticatory cycles in male and female subjects

1165 *T.-H. Yoon, Y.-K. Lee, B.-S. Lim & C.-W. Kim:* Degree of polymerization of resin composites by different light sources

1174 *A. M. Rentes, M. B. D. Gavião & J. R. Amaral:* Bite force determination in children with primary dentition

1181 *A. Gavish, E. Winocur, Y. S. Ventura, M. Halachmi & E. Gazit:* Effect of stabilization splint therapy on pain during chewing in patients suffering from myofascial pain

1187 *R. T. Basting, M. C. Serra & A. L. Rodrigues Jr:* *In situ* microhardness evaluation of glass–ionomer/composite resin hybrid materials at different post-irradiation times

1196 *T. Otake, A. Mayanagi, J. Tsuruta, K. Nozawa, H. Miura & S. Hasegawa:* The role of posterior guidances under the altered anterior guidance

1206 *S.-Y. Chuang:* Incidence of temporomandibular disorders (TMDs) in senior dental students in Taiwan

1212 *N. Hersek, Ş. Canay, K. Akça & Y. Çiftçi:* Comparison of microleakage properties of three different filling materials. An autoradiographic study

1218 **Index to Volume 29**